Remote Control Setup

Chapter 9

Personalizing Your Remote Controls

Use the information in this chapter to learn more about using your remote controls.

- **IMPROVING RECEIVER CONTROL**

- **CONTROLLING OTHER COMPONENTS**

- **THE RECOVER BUTTON**

- **SENDING DISCRETE POWER ON AND OFF**

9

IMPROVING RECEIVER CONTROL

These instructions help you improve your remote control settings to best operate your satellite receiver. Use the following instructions to make your remote control operate more efficiently with your receiver.

Changing the Address for Remote Control 2

Because UHF signals travel long distances and go through walls, a neighbor's remote may control your receiver by mistake. To keep this from happening, you can change the remote address. You can also use these instructions to change the address on Remote Control 1.
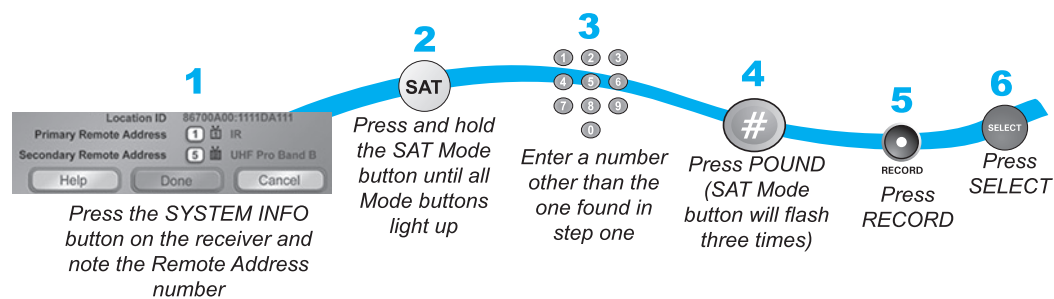
1 Press SYSTEM INFO on the receiver's front panel. The System Information screen displays on the nearby TV and shows the Remote Address.

Write down the Secondary Remote Address: _____

If changing the address for Remote Control 1, write down
the Primary Remote Address: _____

2 Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then let go of SAT.

3 Use the NUMBER PAD to enter any number between 1 and 16, but not the one you wrote in step 1.

4 Press POUND (#). If you entered the address correctly, SAT will flash three times.

Write down the number you entered: _____
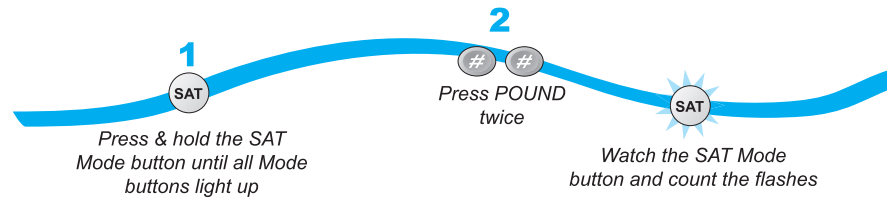
5 Press RECORD. Make sure the Remote Address you see on the System Information screen is the same as the one you entered in step 3. If it isn't, the remote cannot control the receiver.

6 Press SELECT to close the System Information screen.
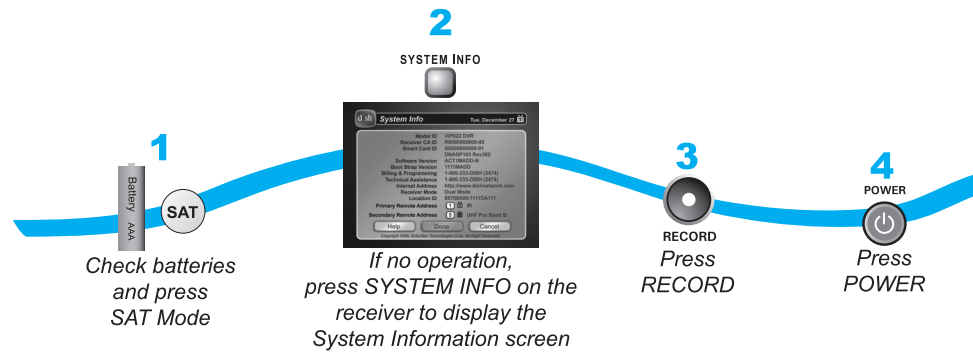
Checking the Remote Control Address

You can see what address is programmed into the remote control by completing the following instructions.

Press & hold the SAT Mode button until all Mode buttons light up

Press POUND twice

Watch the SAT Mode button and count the flashes

1 Press and hold the SAT mode button for three seconds, until all of the mode buttons light up, and then let go of the SAT button.

2 Press POUND (#) twice. The SAT mode button will flash the same number of times as the address number (three flashes means address 3).

Confirming Remote Control Operation

Complete the following from the nearby TV to make sure the remote operates the receiver:

Check batteries and press SAT Mode

If no operation, press SYSTEM INFO on the receiver to display the System Information screen

Press RECORD

Press POWER

1 Make sure the remote has fresh batteries and is in SAT mode.

2 Press SYSTEM INFO on the receiver front panel to display the System Info screen on the nearby TV.

3 Press RECORD on the remote control:

- Remote Control 1 - The Primary Remote Address in the System Info screen changes to match the address preset in your remote control.

- Remote Control 2 - The Secondary Remote Address in the System Info screen changes to match the address preset in your remote control.

4 Press POWER on the remote controls to turn on/off receiver.

9

Adjusting the Remote Antenna

Be sure to set the remote control antenna (back of the receiver) straight up so you can use the remote control from as far away as possible. Don't let the antenna touch anything.

If your UHF Pro Remote Control isn't working very well from far away, you may be experiencing interference from objects near your receiver. To improve your remote control's range, try the following:

– Place the receiver higher than all of the other equipment in your entertainment center.

– Provide room above the receiver so that the antenna can be installed straight up. If this is not possible, tilt the UHF antenna at about a 30° angle.

– Place the UHF antenna outside the entertainment center by using a coaxial cable to connect the antenna to the receiver.

– Try moving the receiver to other locations.

– Move any nearby over-the-air antennas away from the UHF remote antenna. Do not place an over-the-air antenna on top of your receiver.

– Install a UHF attenuator. See *Installing a UHF Attenuator* in the following section for details.

Changing the UHF Frequency Using the A/B Switch

Your remote has a switch to change the UHF frequency that your remote control uses. It comes preset to the A position but you can change the setting to the B position to lessen the likelihood of any other UHF remote interfering with yours.

1 Remove the battery cover from the remote control.

2 Use a small screw driver or a paper clip to carefully change the setting.

3 Put the battery cover back on the remote control.

4 Use the SYS INFO button on the front panel to open the **System Information** screen.

5 Press RECORD on the remote control.

6 Make sure the **System Information** screen shows the correct band information:

• Switch position A - **IR/UHF Pro Band A**

• Switch Position B - **IR/UHF Pro Band B**

Installing a UHF Attenuator

Unwanted UHF signals may interfere with signals from the remote control to the receiver. To prevent such interference, you can install a 10 dB attenuator (available from many consumer electronics parts stores). Adding this attenuator will help keep out stray UHF signals, but it also cut down how far away you can use the remote control.
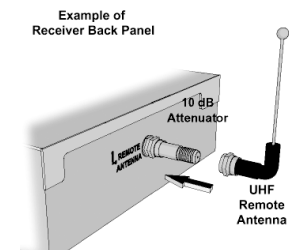
1 Remove the UHF antenna from the UHF Remote Antenna input on the receiver back panel.

Example of Receiver Back Panel
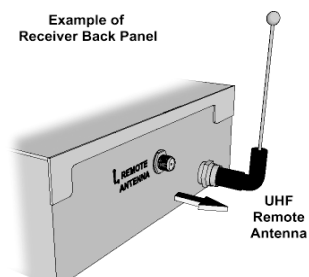
2 Attach a 10 dB attenuator to the UHF Remote Antenna input.

Example of Receiver Back Panel
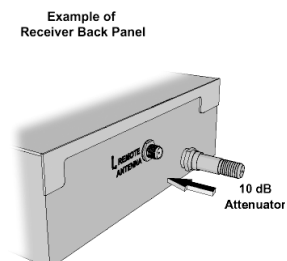
3 Attach the UHF antenna to the attenuator.

Example of Receiver Back Panel

9

CONTROLLING OTHER COMPONENTS

To use the remote to control other devices (such as a TV, VCR, DVD player, tuner, amplifier, or DISH Network satellite receiver), you must first program it to control these other devices. You can do this by either following the instructions in *Setting Up Using Device Code Tables* on page 63, or the *Setting Up Using Device Codes Scan* procedure described on page 64.

Remote Control Modes

Use the remote control's mode buttons, SAT (satellite receiver), TV (for a TV), VCR (for a VCR or a DVD player), and AUX ("auxiliary," for a second TV, a VCR, a tuner, an audio amplifier, or a second DISH Network satellite receiver) to set the remote to the right mode for the device. To change the mode, press the button for the device you want the remote to control. The mode button lights for two seconds to show you've set the remote to that mode.

Limited Mode

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote to control your TV in Limited Mode, you will only be able to use TV POWER, MUTE, and VOLUME. Also, when you use the remote to control your VCR in Limited Mode, you will only be able to use POWER and the VCR function buttons.

Turning Limited Mode On and Off

The section *Setting Up Using Device Code Tables* has a step that tells the remote control to go into Limited Mode. You can use this feature to limit the functions of a TV or VCR you control with the remote in TV, VCR, or AUX mode. Here's a simple way to turn Limited Mode on and off anytime:

1 Press and hold the mode button (for example, TV) until all of the mode buttons light. Release the mode button.

2 Press:

- PAGE UP to turn Limited Mode on.
- PAGE DOWN to turn Limited Mode off.

3 Press POUND.

Note: Limited Mode is not used with amplifiers.

Combination Devices

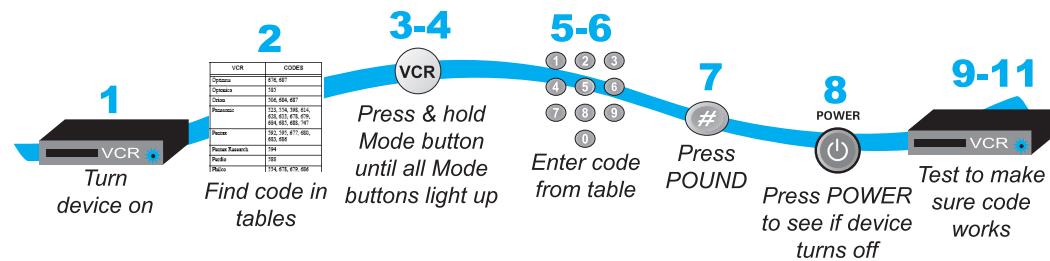If you are programming the remote to control a combination device, such as a TV/VCR or a TV/DVD, program the remote control in one mode, and then repeat the procedure in the other mode. For example, to program the remote to control a TV/VCR using code 748, follow the instructions to program the remote to control the TV using code 748, and then repeat the instructions for the VCR using the same code.

Setting Up Using Device Code Tables

Set up the remote to control other devices using the device codes listed on page 116. In the instructions below, the column on the left contains the instructions and the column on the right provides additional information.

1 *Turn device on*	**2** *Find code in tables*
3-4 *Press & hold Mode button until all Mode buttons light up*	**5-6** *Enter code from table*
7 *Press POUND*	**8** *Press POWER to see if device turns off*
9-11 *Test to make sure code works*	

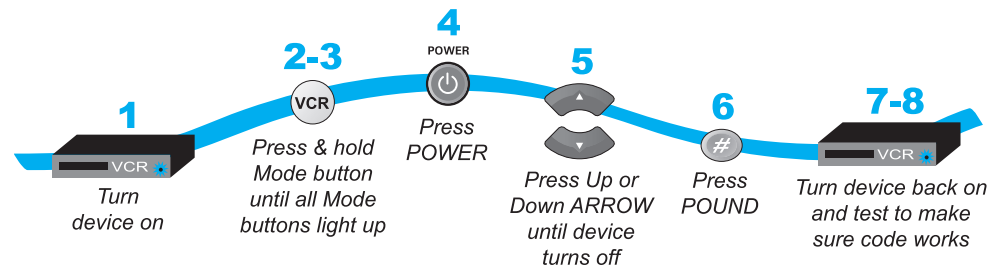| **Instructions**	**Additional Information**
1 Turn the device on.	Use the device's front panel buttons or its remote control.
2 Find the brand name of the device in the tables starting on page 116.	If the brand isn't listed, see *Setting Up Using Device Codes Scan* on page 64.
3 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.
4 *For AUX mode only.* Press 0 for a second TV, or 1 for a second VCR, or 2 for a tuner, or amplifier.	This step is for programming which kind of device that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.
5 Enter one of the three-digit device codes from the table using the number buttons.	The three-digit device code should be for the brand name of your device that you found in step 2.
6 If you want to program Limited Mode, press 1. If not, skip to step 7.	See *Limited Mode* for more information.
7 Press POUND (#).	If you entered the code correctly, the mode button flashes three times.
8 Press POWER to turn off the device. If the device does not turn off, go to step 10.	If the code works, the device should turn off.
9 Turn the device back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.	Sometimes POWER works when other buttons don't. If in Limited Mode, try VOLUME or MUTE.

9

Chapter 9

Controlling Other Components

Instructions	Additional Information
10 If the code doesn't work, repeat steps 3 through 9 with another device code from the tables.	Try every code listed for your brand until one works for your device.
11 If you can't find a code that works try, *Setting Up Using Device Codes Scan* that follows.	

Setting Up Using Device Codes Scan

If the code for your device is not listed in the tables starting on page 116, use this procedure to scan the remote control's memory for the device code. In the instructions below, the column on the left contains the instructions and the column on the right provides additional information.

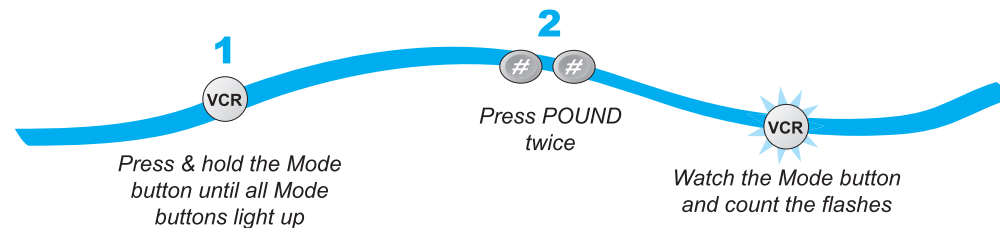| Instructions	Additional Information
1 Turn the device on.	Use the device's front panel buttons or its remote control.
2 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.
3 *For AUX mode only*. Press 0 for a second TV, or 1 for a second VCR, or 2 for a tuner, or amplifier. Then press the STAR (*) button.	This step is for programming which kind of device that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4.
4 Press POWER.	This puts your remote in the scan mode.

64

Instructions	Additional Information
5 Press the UP or DOWN ARROW repeatedly until the device turns off.	As you press the UP or DOWN ARROW, the remote tries each code in the memory to see if it can turn off your device. When the device turns off, you have found a code that might work. **Note**: The mode button for the device will flash rapidly eight times when you've scanned all the codes for that device.
6 Press POUND (#).	The mode button flashes three times if you have entered the code correctly. This stores the code you found.
7 Turn the device back on and try some other buttons to make sure they work.	Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't. If using Limited Mode, try VOLUME or MUTE.
8 If necessary, repeat this procedure until you've tried all the codes.	You may need to repeat the scan to find the best code for your device.

Checking the Device Codes

You can find out what device code you've set for each remote control mode (TV, VCR, and AUX).

1

VCR

Press & hold the Mode button until all Mode buttons light up

2

**#**

Press POUND twice

VCR

Watch the Mode button and count the flashes

9

Instructions	Additional Information
1 Press and hold the appropriate mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.
2 Press the Pound (#) button twice. Watch the mode light to determine your code. The mode button flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is for zero.	For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.

Chapter 9

Controlling Other Components

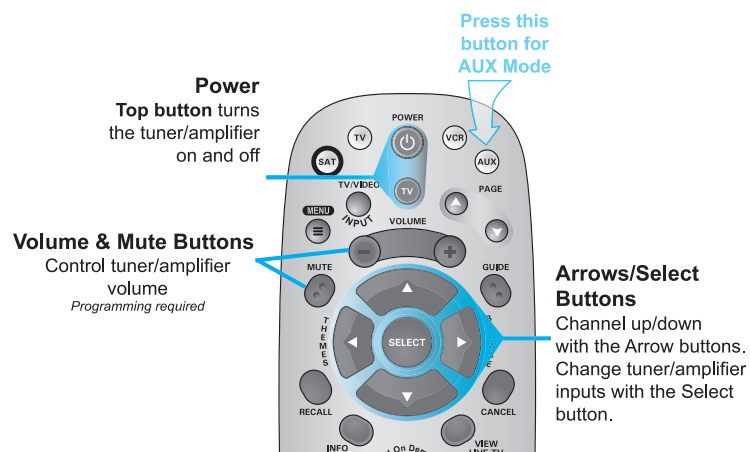| Instructions	Additional Information
For AUX mode: The first group of flashes tells you what the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR; and two flashes is for a tuner, or amplifier.	For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating 0 for TV), pauses, flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
For a satellite receiver programmed in AUX mode: The AUX mode button will flash the same number of times as the address number.	For example, if the receiver address is 3, the AUX mode button flashes three times.
For Limited Mode: If you have programmed a TV or VCR in Limited Mode, the mode button flashes once at the end of the flash sequence.	For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating 0 for TV), pauses, flashes five times, pauses, flashes seven times, pauses, flashes once quickly, and then flashes once (indicting Limited Mode).

Controlling a Tuner/Amplifier

Use the following remote control buttons to control a tuner or amplifier. When the remote control is set up as described on pages 61 and 67, press the AUX mode button to set the remote to AUX mode. The AUX mode button will stay lit for two seconds to show you've set the remote to AUX mode. Make sure to keep the remote in AUX mode to use the following buttons.

To use the features described in this section, make sure you are in AUX mode by pressing the AUX Mode button.

Press this button for AUX Mode

Power
Top button turns the tuner/amplifier on and off

Volume & Mute Buttons
Control tuner/amplifier volume
Programming required

Arrows/Select Buttons
Channel up/down with the Arrow buttons. Change tuner/amplifier inputs with the Select button.
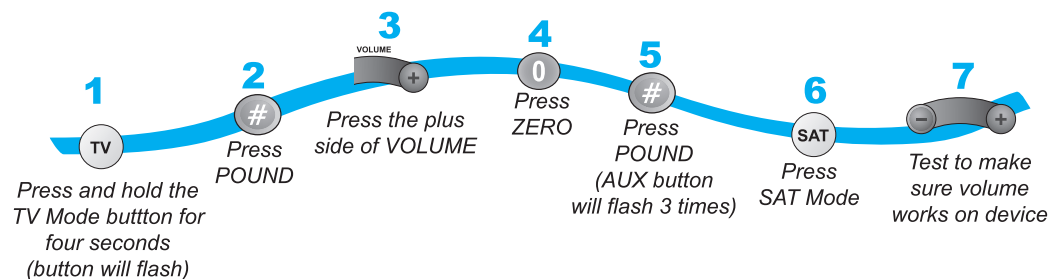
Switching Between TV and Device Volume Adjustment

When the remote control is setup to operate your TV, the VOLUME and MUTE buttons adjust your TV volume. If you prefer the volume and mute functions of the remote to adjust the volume of a remote-controllable audio receiver or amplifier instead of the TV, this capability can be set up using the AUX mode of the remote control.

To set the remote to control the device's volume (steps 1-5 set up the remote and steps 6-7 make sure the remote works correctly):

1 — Press and hold the AUX Mode buttton for four seconds (button will flash)
2 — Press POUND
3 — Press the plus side of VOLUME
4 — Press ZERO
5 — Press POUND (AUX button will flash 3 times)
6 — Press SAT Mode
7 — Test to make sure volume works on device
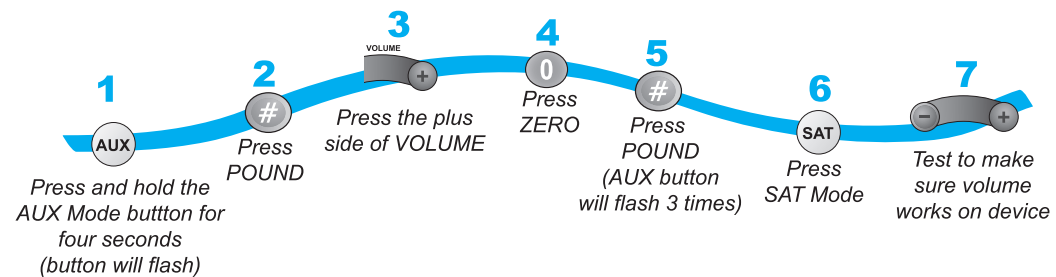
To set the remote back to control the TV volume (steps 1-5 set up the remote and steps 6-7 make sure the remote works correctly):

1 — Press and hold the TV Mode buttton for four seconds (button will flash)
2 — Press POUND
3 — Press the plus side of VOLUME
4 — Press ZERO
5 — Press POUND (AUX button will flash 3 times)
6 — Press SAT Mode
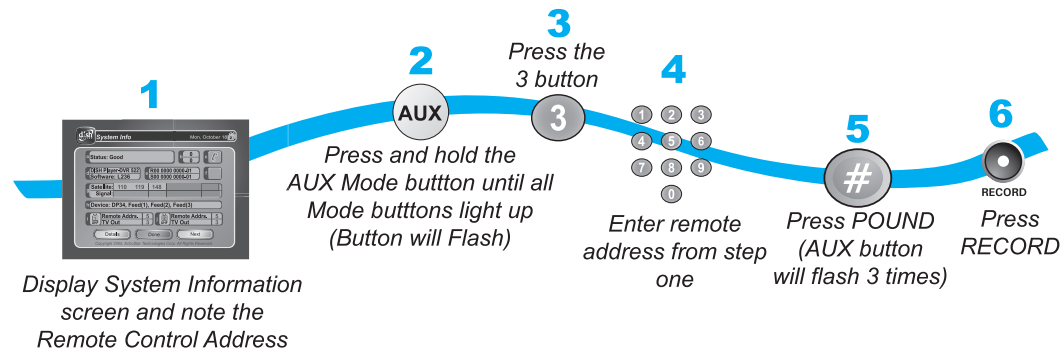**7** — Test to make sure volume works on device

Programming to Control a Second Satellite Receiver

If you have another DISH Network satellite receiver installed, you can use this remote in AUX mode to control it along with your new receiver. When you program the remote to control this other receiver, the remote will send out IR and UHF (not UHF Pro) signals to the receiver. You can program the remote to control any other DISH Network satellite receiver, except for following:

- TV2 on DISH 322, ViP222, ViP622 DVR, DISH Player-DVR 522, 625 and 942
- DishPlayer 7100/7200

9

Display System Information screen and note the Remote Control Address

Press and hold the AUX Mode buttton until all Mode butttons light up (Button will Flash)

Press the 3 button

Enter remote address from step one

Press POUND (AUX button will flash 3 times)

Press RECORD

1 Turn on the other receiver and display the System Info screen as described in the user's guide for information on how to display the screen).

Write the address: _____

2 Press and hold AUX until all the other mode buttons light up, and then let go of the button. AUX flashes.

3 Press the 3 button.

4 Use the NUMBER PAD to enter the address you wrote in step 1.

5 Press POUND (#). AUX blinks three times.

6 Press RECORD to make sure the address in the remote matches the address on the receiver.

THE RECOVER BUTTON

Use RECOVER if you suddenly have a snowy, blue, or black screen on your TV and cannot get the picture back from your satellite receiver. When you press RECOVER as described below, the remote control sends commands to your TV to change channels or video inputs to get back to watching satellite programming. This procedure works only if you have accidentally changed the TV channel or video input. It does not recover lost satellite signal (See *Troubleshooting* on page 104 for information on solving problems).

Note: The remote must be programmed to control the TV (and VCR, if applicable) for RECOVER to work as described.
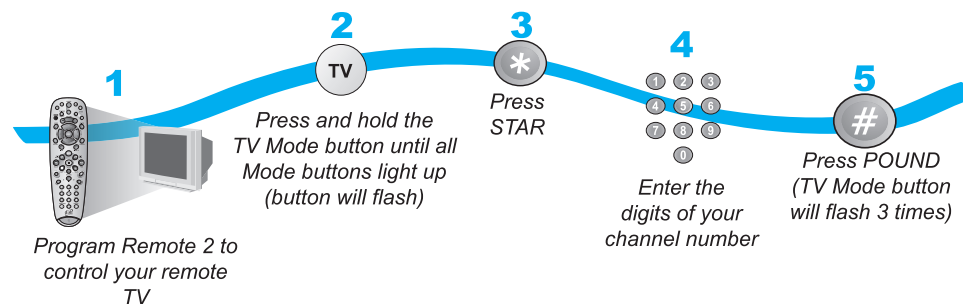
Note: RECOVER will first try to tune your TV to channel 3, then channel 4, and then other video inputs with each press of RECOVER. You may need to press RECOVER up to 30 times to recover your satellite TV video. If RECOVER is programmed to a specific channel (see page 69), RECOVER will tune the TV to the specific channel (for example, channel 60).

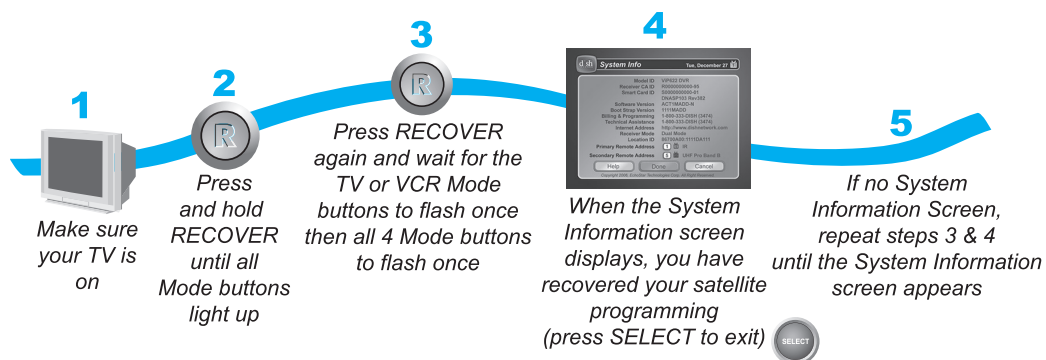## Programming the Recover Button for Remote Control 2

When your Remote Control 2 is shipped from the factory, RECOVER is set up to restore satellite TV viewing by tuning your TV (or VCR) to channel 3, 4, and other inputs. However, to use RECOVER with your remote TV (or VCR), you need to program RECOVER with the specific channel (for example, channel 60) that you use to watch TV2 programming. The following instructions describe how to program RECOVER to tune your remote TV (or VCR) back to a selected channel.

1

Program Remote 2 to control your remote TV

2 TV

Press and hold the TV Mode button until all Mode buttons light up (button will flash)

3 *

Press STAR

4

Enter the digits of your channel number

5 #

Press POUND (TV Mode button will flash 3 times)

Using the Recover Button

The following setup is required to use RECOVER:

- The remote control must be set up to control the TV and, if installed, the VCR.

- If a VCR is installed, make sure it is connected as shown on page 94.

- On a remote TV, RECOVER must be programmed to tune your remote TV to the specific channel to receive TV2 programming (for example, channel 60), using the instructions on page 69.

1

Make sure your TV is on

2

Press and hold RECOVER until all Mode buttons light up

3

Press RECOVER again and wait for the TV or VCR Mode buttons to flash once then all 4 Mode buttons to flash once

4

When the System Information screen displays, you have recovered your satellite programming (press SELECT to exit) SELECT

5

If no System Information Screen, repeat steps 3 & 4 until the System Information screen appears

9

Note: Press any remote control button other than RECOVER to end this procedure.
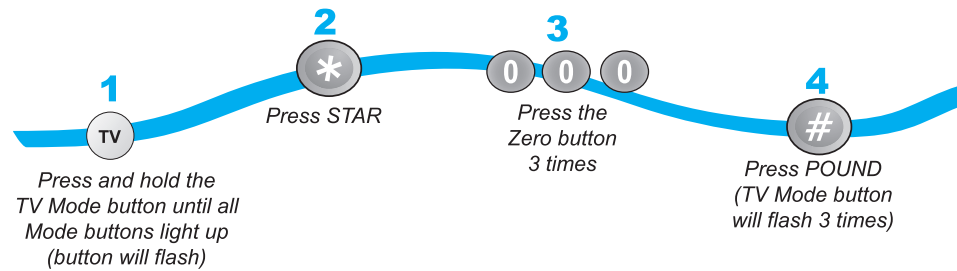
Note: If RECOVER is not programmed to a specific channel, RECOVER will first try to tune your TV to channel 3, then channel 4, and then other video inputs with each press of RECOVER. You may need to press RECOVER up to 30 times to recover your satellite TV video. If RECOVER is programmed to a specific channel (see page 69), RECOVER will tune the TV to the specific channel (for example, channel 60).
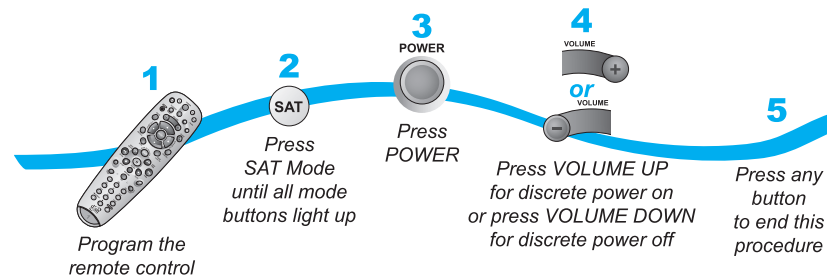
Chapter 9

Removing the Recover Button Channel Programming

The following instructions describe how to reset RECOVER to restore satellite TV viewing by tuning your TV (or VCR) to channel 3, 4, and other inputs.

2

＊

Press STAR

3

0 0 0

*Press the
Zero button
3 times*

1

TV

*Press and hold the
TV Mode button until all
Mode buttons light up
(button will flash)*

4

#

*Press POUND
(TV Mode button
will flash 3 times)*

SENDING DISCRETE POWER ON AND OFF

Installers use Remote control discrete power ON and power OFF IR commands when programming macro commands into universal remotes. Using an ON-only or OFF-only command is more effective than a toggle ON/OFF command when trying to make sure the satellite receiver is reliably in one state or the other. To use discrete power commands, complete the following:

3

POWER

*Press
POWER*

4

VOLUME

or

VOLUME

–

*Press VOLUME UP
for discrete power on
or press VOLUME DOWN
for discrete power off*

2

SAT

*Press
SAT Mode
until all mode
buttons light up*

5

*Press any
button
to end this
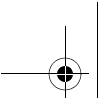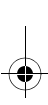procedure*

1

*Program the
remote control*

TIPS

- If using a specific channel for TV2 (for example, channel 60), TV2's remote control must be programmed with a TV2 channel/input before you can use RECOVER.

- Place the channel sticker on the remote TV and write down the channel you use to watch DISH Network programming. The stickers are inside the front cover of this guide.

- If you don't want to accidentally change channels on your TV or VCR, try programming the remote control in Limited Mode as described on page 62.

- Make sure you have a UHF antenna connected so you can use Remote Control 2. See page 15 for instructions.

QUESTIONS

- **My remote doesn't control my receiver or other components. What should I do?**
  - Put the remote control is in the correct mode (page 62).
  - Check the batteries (page 15).
  - Check the remote control address (pages 59 and 65).
  - Check the UHF antenna (page 15).
  - Adjust the UHF antenna (page 60).

- **Why does my receiver change channels or display menus at random?** Your neighbor may have their remote control set on the same address. Change the address on your remote control and receiver as described on page 58. If that doesn't help, you may have to install a UHF attenuator as described on page 61.

9

Chapter 9

Questions

Notes